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ENVIRONMENTAL AND EFFLUENT SURVEILLANCE PROGRAMS AT OAK RIDGE NATIONAL LABORATORY

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ABSTRACT

The environmental and effluent surveillance programs at Oak Ridge National Laboratory will be reviewed. They include: atmospheric, aquatic, terrestrial, biological sampling, analysis of foodstuffs, and special projects. Sources of pollution will be discussed, the development of an overall quality assurance program will be presented, and problem areas associated with surveillance and potential solutions will be reviewed.

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SUMMARY

1. Sources
   - A. Reactors
   - B. Accelerators
   - C. Settling Basins
   - D. Stacks
   - E. Solid Waste Storage Areas
2. Environmental and Effluent Surveillance Programs
   - A. Atmospheric
   - B. Aquatic
   - C. Terrestrial
   - D. Biological Sampling
   - E. Analysis of Foodstuffs
   - F. Special Projects
3. Review of Releases from the Laboratory
4. Problem Areas
   - A. Lack of Meteorological Information
   - B. Need of Quality Assurance
   - C. Stream Flow Monitoring Problems
   - D. Out-of-Date Instrumentation
5. Potential Solutions
   - A. Line Items
   - B. Construction Projects
   - C. Development Programs
6. Summary and Conclusions

   Discussion of present surveillance practices and anticipated new areas of development